Task Management System (TMS)

Objective:

Create a simple Task Management System where users can:

- Log in.
- Create, update, and delete tasks.
- Mark tasks as completed.
- Filter tasks by status (completed or pending).

Server requirements

- PHP (8.2 or higher)
- Composer (2.8 or higher)
- MySQL
- A local Webserver such as `XAMPP`, `WAMP`, `LARAGON`, `HERD` or similar are required

Installation

Step 1:

Extract this zip file into your local server public directory

```
cd extracted folder

cp .env.example .env
```

OR

Clone the repo locally in your local server public directory:

```
git clone https://github.com/obinosteve/tms.git tms
cd tms
```

Install PHP dependencies:

```
composer install
```

Install NPM dependencies:

```
npm ci
```

Build assets:

```
npm run dev
```

Setup configuration:

```
cp .env.example .env
```

Step 2:

Generate application key:

```
php artisan key:generate
```

Create a MYSQL database. You can also use another database (SQLite, Postgres), simply update your configuration accordingly.

Update the `.env` file with the database details created above

Run database migrations:

```
php artisan migrate
```

Run the dev server (the output will give the address):

```
php artisan serve
```

You're ready to go! Visit TMS in your browser, and click on the `Register` button to register an account

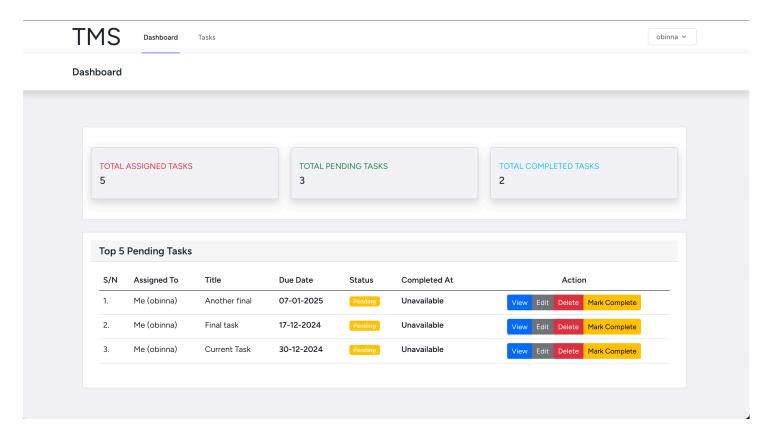Then login with the newly created account

Running tests

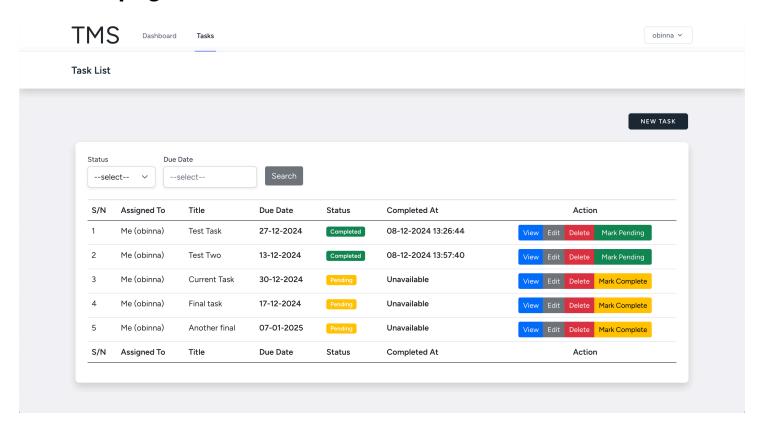To run the TMS tests, run:

```
php artisan test
```

Screenshots

Here are some screenshots of the TMS application:

Dashboard

Task list page

Task List

NEW TASK

Status
--select-- ▾

Due Date
--select--

Search

S/N	Assigned To	Title	Due Date	Status	Completed At	Action
1	Me (obinna)	Test Task	27-12-2024	Completed	08-12-2024 13:26:44	View Edit Delete Mark Pending
2	Me (obinna)	Test Two	13-12-2024	Completed	08-12-2024 13:57:40	View Edit Delete Mark Pending
3	Me (obinna)	Current Task	30-12-2024	Pending	Unavailable	View Edit Delete Mark Complete
4	Me (obinna)	Final task	17-12-2024	Pending	Unavailable	View Edit Delete Mark Complete
5	Me (obinna)	Another final	07-01-2025	Pending	Unavailable	View Edit Delete Mark Complete
S/N	Assigned To	Title	Due Date	Status	Completed At	Action

Create a new task

Add New Task

Title

Description

Due Date

Select a date

SUBMIT